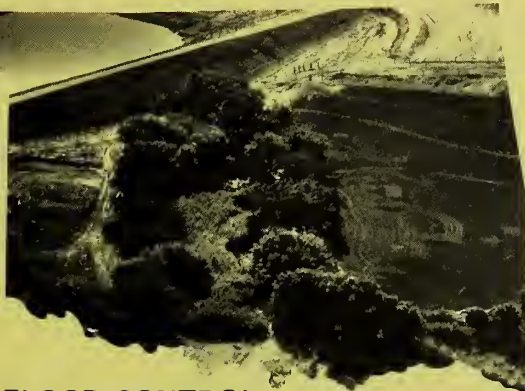


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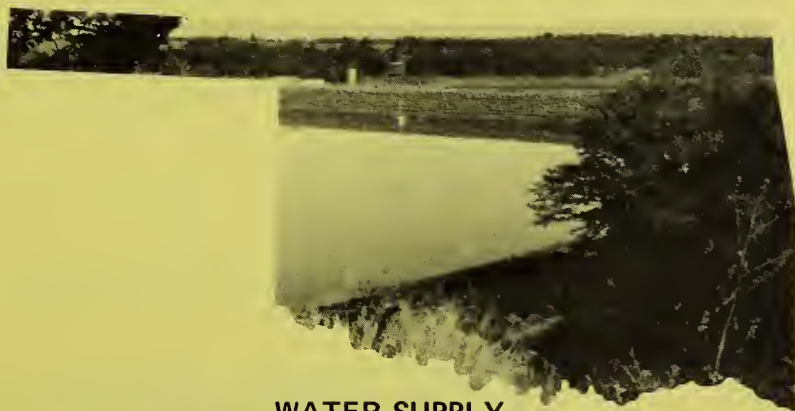
1975



FLOOD CONTROL



RECREATION



WATER SUPPLY



WILDLIFE
ENHANCEMENT

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE,
STILLWATER, OKLAHOMA



NATIONAL

AGRICULTURAL



OMA

PL-566

Projects Completed
Approved for Operation
Approved for Operation
Authorized for Financing
Applications Pending
Total Number
Total Acres -

- 110
- - - - 11,643,000

LIBRARY

Flood Prevention
Sub-Watersheds Protected
Sub-Watershed Completed
Sub-Watersheds Authorized
Total Number
Total Acres - - - - -

- 64
- - - - 4,940,410

Pilot-Double Creek

Completed - - - - - 1
Total Acres - - - - - 30,250

RC&D - Hydrologic Units

Planned - - - - - 3
Completed - - - - - 3
Total - - - - - 6
Total Acres - - - - - 47,270

TOTAL NUMBER OF PROJECTS - - - - - 181

TOTAL ACRES - - - - - 16,660,930

STRUCTURAL MEASURES

	FLOODWATER RETARDING STRUCTURES :		CHANNEL	
	Planned	Completed	Planned	Completed
PL-566	1,383	727	351.0 (miles)	59.0
Washita	1,126	965	146.0	43.0
Pilot	6	6	-	-
RC&D	12	7	-	-
TOTAL	2,527	1,705	497.0	102.0

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Map of Oklahoma

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CATALOGING - PREP.

PROJECTS COMPLETED
PL- 566

Bear, Fall and Coon Creeks Watershed (Lincoln, Logan and
Oklahoma Counties)

Sponsors: Logan County Conservation District
Lincoln County Conservation District
Oklahoma County Conservation District
Bear, Fall and Coon Creeks Water and Soil
Conservancy District No. 4

Authorized for Planning: April 15, 1955

Authorized for Operations: June 26, 1958

Completion Date: June 30, 1967

Measures Installed:

- 1 multipurpose structure with irrigation
- 30 floodwater retarding structures

Big Wewoka Creek Watershed (Pottawatomie, Seminole and Hughes
Counties)

Sponsors: Shawnee Conservation District
Seminole County Conservation District
Hughes County Conservation District
Wewoka Creek Water and Soil Conservancy
District No. 2

Authorized for Planning: February 9, 1955

Authorized for Operations: June 21, 1956

Completion Date: June 30, 1968

Measures Installed:

- 1 multipurpose structure with wildlife
- 41 floodwater retarding structures

Caney-Coon Creek Watershed (Coal County)

Sponsors: Coal County Conservation
City of Coalgate

Authorized for Planning: January 28, 1959

Authorized for Operations: September 9, 1959

Completion Date: June 30, 1975

Measures Installed:

- 1 multipurpose structure

Canyon View Watershed (Canadian County)

Sponsor: Central North Canadian River Conservation District

Authorized for Planning: April 10, 1967

Authorized for Operations: June 27, 1968

Completion Date: June 30, 1974

Measures Installed:

- 4 floodwater retarding structures
- 1.9 miles of channel improvement

Four Mile Creek Watershed (Canadian County)

Sponsors: East Canadian County Conservation District
Central North Canadian Conservation District
City of El Reno, Oklahoma

Authorized for Planning: August 9, 1963

Authorized for Operations: September 25, 1964

Completion Date: June 30, 1974

Measures Installed:

- 1 multipurpose structure
- 4.8 miles of channels completed

Fourche Maline Creek Watershed (Latimer and LeFlore Counties)

Sponsors: Latimer County Conservation District
LeFlore County Conservation District
City of Wilburton
Wilburton Public Works Authority
Fourche Maline Conservancy District No. 10
Oklahoma Industrial Development and Parks Department
Oklahoma Department of Wildlife Conservation

Authorized for Planning: August 26, 1958

Authorized for Operations: August 29, 1960

Completion Date: June 30, 1972

Measures Installed:

- 1 multipurpose structure with municipal water (site 7)
- 1 multipurpose structure with recreation-wildlife water
- 12 floodwater retarding structures

Frogville Creek Watershed (Choctaw County)

Sponsors: Frogville Conservancy District No. 1
Kiamichi Conservation District

Authorized for Planning: January 14, 1963

Authorized for Operations: October 21, 1965

Completion Date: June 30, 1973

Measures Installed:

2 floodwater retarding structures
11.94 miles of channels completed

Lambert Creek Watershed (Alfalpa County)

Sponsors: Alfalfa County Conservation District
Lambert Creek Conservancy District

Authorized for Planning: October 5, 1964

Authorized for Operations: November 24, 1965

Completion Date: June 30, 1975

Measures Installed:

2 floodwater retarding structures
7.3 miles of channel improvement

Little Wewoka - Graves Creek Watershed (Hughes, Seminole and
Okfuskee Counties)

Sponsors: Hughes County Conservation District
Seminole County Conservation District
Okfuskee County Conservation District
Wewoka Creek Water and Soil Conservancy District No. 2

Authorized for Planning: February 9, 1955

Authorized for Operations: June 21, 1956

Completion Date: June 30, 1972

Measures Installed:

16 floodwater retarding structures

Paint Creek Watershed (Harper County)

Sponsors: Harper County Conservation District
Town of Laverne

Authorized for Planning: July 1968
Authorized for Operations: May 28, 1970
Completion Date: June 1974
Measures Installed:
1 multipurpose structure

Rock Creek Watershed (Latimer and LeFlore Counties)

Sponsors: Talihina Conservation District
City of Talihina

Authorized for Planning: April 15, 1963
Authorized for Operations: September 10, 1965
Completion Date: June 30, 1974
Measures Installed:
3 floodwater retarding structures
1 multipurpose structure

Squaw Creek Watershed (Comanche County)

Sponsors: City of Lawton
Comanche County Board of Commissioners
Comanche County Conservation District

Authorized for Planning: April 23, 1962
Authorized for Operations: December 10, 1962
Completion Date: June 30, 1975
Measures Installed:
4.8 miles of channel improvement

Timber Creek Watershed (Beckham and Roger Mills Counties)

Sponsors: North Fork of Red River Conservation District
Upper Washita Conservation District
Timber Creek Conservancy District

Authorized for Planning: September 11, 1959

Authorized for Operations: August 31, 1960

Completion Date: June 30, 1968

Measures Installed:

7 floodwater retarding structures

Whitegrass-Waterhole Creek Watershed (McCurtain County)

Sponsors: Valliant Conservation District
Little River Conservation District
Whitegrass-Waterhole Water and Soil Conservancy District

Authorized for Planning: April 30, 1957

Authorized for Operations: July 25, 1958

Completion Date: June 30, 1967

Measures Installed:

9 floodwater retarding structures

Pilot Watershed

Double Creek Watershed (Osage and Washington Counties)

Sponsors: Caney Valley Conservation District
Osage County Conservation District
Kansas-Oklahoma Caney Watershed Council of Conservation
Districts

Authorized for Operations: November 1, 1954

Measures Installed:

6 floodwater retarding structures

PROJECTS APPROVED FOR OPERATIONS
PL-566

Brushy-Peaceable Creeks Watershed (Pittsburg and Latimer Counties)

Sponsors: Pittsburg County Conservation District
City of McAlester

Size: 212,912 acres

Land Ownership: 2 percent Indian land; 1.1 percent Negro operated
8.9 percent tenant operated

Land Use: 2,125 acres cropland; 24,826 acres pastureland; 84,876 acres
grazed woodland; 92,303 acres rangeland; 848 acres wildlife
land; 7,214 miscellaneous

Authorized for Planning: November 22, 1965

Authorized for Operations: May 28, 1970

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,675,304
b. Other	<u>2,228,273</u>
Total	\$5,903,577

Land Treatment:

a. Percent of land adequately protected: 70
b. Percent of planned measures applied: 72

Watershed Problems:

Floodwater and sediment damage to agricultural land

Need for municipal water and recreation for the City of McAlester

Project Purposes:

Flood prevention

Municipal water

Wildlife land development

Structural Measures Planned:

2 multipurpose structures with municipal water

44 floodwater retarding structures

Structural Measures Installed:

Sites Nos. 16 and 17 have been constructed

Easement Status:

40 percent easements secured; 15 sites cleared

Acres Flood Plain Protected by Project: 17,276

Case History of Watershed Project Benefits:

The easement drive was launched October 1970. A watershed tour of two nearly complete watershed projects and a special rural-urban watershed meeting has resulted in gaining considerable additional support. Annual benefits to structures include flood prevention, recreation, more intensive land use, municipal water and redevelopment of rural area. One site (No. 16) will be used primarily for flood control and wildlife mitigation.

Approximately 70 acres surrounding Site No. 16 are being used for wildlife mitigation.

Cane Creek Watershed (Muskogee and Okmulgee Counties)

Sponsors: Okmulgee County Conservation District
Muskogee County Conservation District
Cane Creek Conservancy District

Size: 101,755 acres

Land Ownership: 2 percent Indian land - 13 percent Negro land
85 percent other land

Land Use: 37,108 acres cropland; 40,685 acres rangeland; 18,189 acres
pastureland; 2,254 acres woodland pasture; 3,519 acres
miscellaneous

Authorized for Planning: June 6, 1958

Authorized for Operations: September 8, 1961

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,653,332
b. Other	<u>2,600,000</u>
Total	\$5,253,332

Land Treatment:

a. Percent of land adequately protected: 75
b. Percent of planned measures applied: 68

Watershed Problems:

Floodwater and sediment damage to agricultural land
Flooding of state and federal highways and county roads
Flood hazards to bridges of roads and railroads

Project Purpose:

Flood prevention

Structural Measures Planned:

28 floodwater retarding structures

Structural Measures Installed:

18 floodwater retarding structures - PL-566 cost \$1,297,135

Easement Status:

112 of 180 total easements secured

Acres Flood Plain Protected by Project: 7,399

Case History of Watershed Project Benefits:

Structures built to date have prevented flooding on the main stem of Cane Creek. Runoff from several rains, which would otherwise have caused flooding, has been confined to the channel. Landowners, county commissioners and others have made many comments about the reduced flooding. Numerous inquiries have been made regarding the construction. One site has been made available as a standby water supply for Boynton. One site is leased to a sportsmen club. Owners are making use of sediment pool storage for irrigating gardens, supplying water for farmsteads, stock water, fishing, channel catfish production, etc.

Caney Creek Watershed (Atoka and Bryan Counties)

Sponsors: Atoka County Conservation District
Byran County Conservation District
Lower Clear Boggy Conservancy District

Size: 30,541 acres

Authorized for Planning: February 15, 1957

Authorized for Operations: July 19, 1963

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,950,287
b. Other	700,000
Total	<u>\$2,650,287</u>

Land Treatment:

a. Percent of land adequately protected:	94
b. Percent of planned measures applied:	87

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention

Structural Measures Planned:

14 floodwater retarding structures
1.0 mile of outlet channel

Structural Measures Installed: PL 566 cost \$961,000

13 floodwater retarding structures
1.0 miles of outlet channel

Easement Status:

Efforts are being made to clear site 5 but no easements signed

Acres of Flood Plain Protected by Project: 2,222

Case History of Watershed Project Benefits:

Unofficial report of 4 to 7 inches of rain fell over the watershed in 1967, 1968, 1969, 1970, 1971 and 1973. No structures flowed through the emergency spillway. All planned structures are complete on the main stream of Caney Creek above the point where Limestone Creek and Caney Creek merge. Only minor flooding occurred on the main stream above this point. Flooding did occur below the two creeks.

Caston-Mountain Creeks Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District
Caston-Mountain Creeks Conservancy District No. 2
Town of Wister

Size: 47,853 acres

Land Ownership: 1 percent Indian land - 99 percent owner-operated

Land Use: 1,245 acres cropland - 7,945 acres pastureland - 37,515
acres woodland - 1,148 non-agricultural

Authorized for Planning: March 22, 1965

Authorized for Operations: October 12, 1966

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,591,900
b. Other	487,700
Total	<u>\$4,079,600</u>

Land Treatment

a. Percent of land adequately protected: 90

b. Percent of planned measures applied: 78

Watershed Problems:

Floodwater and sediment damage to agricultural land

Flood protection for Town of Wister, Oklahoma

Project Purposes:

Flood prevention

Structural Measures Planned:

5 floodwater retarding structures

Structural Measures Installed:

Construction complete on sites Nos. 1, 2 and 4

Easement Status:

Easements obtained for construction on sites Nos. 1, 2, 4 and 5

Site No. 3 has approximately 50 percent of land acquired by
easement

Acres of Flood Plain Protected by Project: 2,668

Case History of Watershed Project Benefits:

Site No. 1 has been mitigated for wildlife.

Site No. 1 helped prevent a major flood disaster to the east
part of the Town of Wister, Oklahoma during an 8-inch rain on
December 9, 1971. Site No. 5 is under construction. Financial
impact is helping area during this time of high unemployment.

Cotton-Coon-Mission Creek Watershed (Nowata, Osage and Washington
Counties, Oklahoma; Chautauqua
County, Kansas)

Sponsors: Conservancy District No. 26, Oklahoma
Caney Valley Conservation District, Oklahoma
Nowata County Conservation District, Oklahoma
Osage County Conservation District, Oklahoma
City of Dewey, Oklahoma
Town of Wann, Oklahoma
Chautauqua County Soil Conservation District, Kansas

Size: 198,170 acres

Land Ownership: Indian land, 1 percent - Federal land, 1 percent
absentee ownership, 15 percent - owner operator,
83 percent

Land Use: 26,500 acres, cropland - 113,622 acres rangeland - 27,000
acres tame pasture - 6,000 acres woodland - 7,960 acres
miscellaneous

Authorized for Planning: November 16, 1964

Authorized for Operation: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,096,797
b. Other	<u>2,280,269</u>
Total	\$4,377,066

Land Treatment:

a. Percent of land adequately protected: 73
b. Percent of planned measures applied: 78

Watershed Problems:

Floodwater and sediment damage to agricultural land
Need for municipal water for Wann and City of Dewey
Need for water-based recreation development for Dewey
and nearby cities and communities

Project Purposes:

Flood prevention, recreation and municipal water

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water
1 multipurpose structure with municipal water
13 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

3 sites are cleared for construction
23 of 67 land easements have been secured

Acres of Flood Plain Protected by Project: 5,392

Case History of Watershed Project Benefits:

No structures installed at this date

Cottonwood Creek Watershed (Kingfisher, Logan, Canadian and Oklahoma Counties)

Sponsors: Cottonwood Creek Conservancy District No. 11
Kingfisher County Conservation District
Logan County Conservation District
Canadian County Conservation District
Oklahoma County Conservation District

Size: 242,470 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: October 4, 1962

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,837,355
b. Other	<u>2,812,400</u>
Total	\$6,649,755

Land Treatment:

- a. Percent of land adequately protected: 83
- b. Percent of planned measures applied: 80

Watershed Problems:

Floodwater and sediment damage to agricultural lands, county roads, bridges and the City of Guthrie

Project Purpose:

Flood prevention, recreation

Structural Measures Planned:

Because of urbanization in the upper area of the watershed, the work plan is being revised to delete structures with excessive problems

Structural Measures Installed:

16 dams have been built

Easement Status:

141 of 285 easements have been obtained

Of 7 sites still planned for construction, 35 easements are needed

Acres Flood Plain Protected by Project: 16,000

Case History of Watershed Project Benefits:

During October 1974, 5.6 inches of rain fell followed by 2.3 inches of rain October 30, 3.5 inches November 3, and 1.6 inches November 4. With only 16 of 58 floodwater structures in place, water ran 5 inches deep through the streets of Guthrie. On the upper arm of Cottonwood Creek where 9 of 17 planned structures were in place, no flooding occurred until 1 mile above Cottonwood's confluence with Deer Creek, occurring after 5 inches of rainfall within 3 days, with 2.5 inches in 1 day in Cashion area. Three sites are used for income-producing recreation, 1 has a private recreational development, 1 is used for commercial catfish production, and 2 sites furnish irrigation water. Two lakes are utilized as an enhancement for urban development around shore lines. Two more are being offered for sale by landowners for this purpose.

Cow Creek Watershed (Stephens and Jefferson Counties)

Sponsors: Stephens County Conservation District
Jefferson County Conservation District
City of Duncan
Cow Creek Conservancy District -
Cow Creek Watershed Association

Size: 122,880 acres

Land Ownership: About 2 percent Indian land

Land Use: 23,275 acres cropland, 19,990 acres pastureland,
76,041 acres rangeland, and 4,188 acres miscellaneous uses

Authorized for Planning: July 3, 1967

Authorized for Operations: May 29, 1973

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,910,104
b. Other	<u>2,066,912</u>
Total	\$5,977,016

Land Treatment:

a. Percent of land adequately protected:	35
b. Percent of planned measures applied:	65

Watershed Problems:

Floodwater and sediment damage to agricultural and municipal interests

Need for water oriented recreation for City of Duncan

Project Purposes:

Floodwater prevention and recreation

Structural Measures Planned:

1 multipurpose structure for recreation
45 floodwater retarding structures
2.5 miles of stream channel improvement

Structural Measures Installed:

None

Easement Status:

8 easements have been secured in Stephens County CD
10 easements have been secured in Jefferson County CD and 10
more are needed

Acres of Flood Plain Protected by Project: 12,462

Case History of Watershed Project Benefits:

No structural measures have been installed

Deep Red-Run-Coffin Creek (Tillman, Kiowa and Comanche Counties)

Sponsors: Tillman County Conservation District
Kiowa County Conservation District
Comanche County Conservation District
City of Frederick
Frederick Public Works Authority

Size: 58,600 acres

Land Use: Cropland, 14,570 acres; pasture and rangeland, 42,230 acres; and miscellaneous, 1,800 acres

Authorized for Planning: December 9, 1969

Authorized for Operations: June 29, 1971

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,969,360
b. Other	<u>1,706,364</u>
Total	\$3,675,724

Land Treatment:

- a. Percent of land adequately protected: 45
- b. Percent of planned measures applied: 64

Watershed Problems:

Need for municipal water and recreation for city of Frederick
Floodwater and sediment damage to agricultural land

Project Purposes:

Watershed protection, flood prevention, recreation and municipal water supply for city of Frederick

Structural Measures Planned:

- 1 multipurpose structure with municipal water and recreation
- 1 multipurpose structure with municipal water

Structural Measures Installed:

- 1 structure

Easement Status:

- 1 site cleared for construction and is completed
- 6 of 7 total easements secured

Case History of Watershed Project Benefits:

Municipal water supply for City of Frederick, recreation, picnic and sporting facilities. Easement drive for securing all easements has been accelerated.

Delaware Creek Watershed (Atoka, Coal, Johnston and Pontotoc Counties)

Sponsors: Atoka County Conservation District
Bryan County Conservation District
Coal County Conservation District
Johnston County Conservation District
Lower Clear Boggy Conservancy District

Size: 50,016 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: October 4, 1962

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,919,680
b. Other	<u>410,000</u>
Total	\$2,329,680

Land Treatment:

a. Percent of land adequately protected: 78
b. Percent of planned measures applied: 88

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention and recreation

Structural Measures Planned:

14 floodwater retarding structures

Structural Measures Installed:

12 floodwater retarding structures - PL 566 cost \$1,486,422

Easement Status:

Site 4, 9 easements required--none signed

Site 14C, all easements signed

Acres Flood Plain Protected by Project: 7,208

Case History of Watershed Project Benefits:

Unofficial reports of 5-9 inches of rain occurred on the above watershed in the spring of 1967, 1968, 1969, 1970, 1971, and 1973. There was major flooding on the main stream below Sandy and Walnut Creeks. None of the structures flowed through the emergency spillways. The structures have been effective on the upper end of the creek where all planned structures are in place. Site 9 is partially located on Camp Simpson, a Boy Scout Camp. Facilities for all waterfront scouting activities have been developed. These facilities include canoeing, boating, swimming, life saving and fishing. Available information indicated that in 1974 there were 6200 recreation days use by scouts at this site.

Fitzgerald and Soldier Creeks Watershed (Logan County)

Sponsors: Logan County Conservation District
Fitzgerald-Soldier Creek Conservancy District
Joint Board of Administration for the Board of Regents
for Oklahoma A&M College
Langston Public Works Authority
Coyle Public Works Authority

Size: 19,776 acres

Land Ownership: 83 percent owner operated - 17 percent tenant
operated

Land Use: 2,548 acres cropland - 14,406 acres rangeland -
2,000 acres tame pasture - 1,822 acres miscellaneous

Authorized for Planning: November 22, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,050,000
b. Other	222,289
Total	<u>\$1,272,289</u>

Land Treatment:

- a. Percent of land adequately protected: 85
- b. Percent of planned measures applied: 77

Watershed Problems:

Protection from sediment and scour damage to 1,672 acres of
agricultural lands, damage to farm properties, roads, bridges
and reduction of flooding in the town of Coyle

Project Purpose:

Flood prevention
Municipal water

Structural Measures Planned:

- 1 multipurpose structure with municipal water
- 4 floodwater retarding structures

Structural Measures Installed:

Site 3M multipurpose structure, a water supply for Langston
College and the town of Langston, has been completed with funds
other than PL-566 and contract has been let on two sites

Easement Status:

- 15 of the 18 needed land easements are recorded
- 6 of 7 utility permits obtained

Acres Flood Plain Protected by Project: 1,672

Case History of Watershed Project Benefits:

Site 3M, which furnishes municipal water to Langston University
and the town of Langston, serves as a badly needed water-based
recreational area. In early November 1974, with the soil and other
storage completely saturated on the watershed above, the area had
a 4-inch rain in 6 hours, with 2 inches of it falling in 2 hours.
Local residents estimate that severe flooding would have occurred
including the town of Coyle, if it had not been for site 3M. In
May 1975, with the municipal pool full, another 4 inches of rain
of high intensity occurred, storing 2 feet of floodwater in the
flood pool with no flooding downstream.

Garrison Creek Watershed (Sequoyah County)

Sponsors: Garrison Creek Conservancy District
Sequoyah County Conservation District

Size: 21,521 acres

Land Ownership: 8 percent absentee - 90 percent owner operator
2 percent Indian land

Land Use: 7,747 acres cropland - 1,076 wetland - 4,304 acres tame
pasture - 7,534 acres pasture woodland - 860 acres

Authorized for Planning: February 15, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$696,233
b. Other	<u>337,334</u>
Total	\$1,033,567

Land Treatment:

a. Percent of land adequately protected: 70
b. Percent of planned measures applied: 85

Watershed Problems:

Floodwater and sediment damage to agricultural land
Agricultural water management

Project Purposes:

Flood prevention and agricultural water management

Structural Measures Planned:

4 floodwater retarding structures
19.11 miles of channel improvement

Structural Measures Installed:

None

Easement Status:

13 of 47 easements have been secured

Acres of Flood Plain Protected: 6,750

Case History of Watershed Project Benefits:

The need still exists; however, the enthusiasm
diminished from planning to approval. Additional interest is
being expressed at present by local sponsors.

Jack Creek Watershed (Tillman and Comanche Counties)

Sponsors: Tillman County Conservation District
Comanche County Conservation District
Jack Creek Conservancy District
Commissioners of the Land Office

Size: 45,709 acres

Land Use: Cropland, 20,239 acres; pasture and rangeland, 21,800 acres;
pasture (cropland), 1,500 acres; other, 2,170 acres

Authorized for Planning: September 19, 1966

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,870,000
b. Other	<u>738,563</u>
Total	\$2,608,563

Land Treatment:

a. Percent of land adequately protected:	50
b. Percent of planned measures applied:	50

Watershed Problems:

Floodwater damage to agricultural land

Project Purposes:

Flood prevention (irrigation on site 3)

Structural Measures Planned:

10 single-purpose retarding structures
1 multipurpose structure
1 release channel

Structural Measures Installed:

1 multipurpose and 4 flood retarding structures

Easement Status:

1 site cleared for construction
2 sites under construction
44 of 52 total easements secured

Acres Flood Plain Protected by Project: 3985

Case History of Watershed Project Benefits:

Irrigation on site 3--recreation can be another benefit.
Intense rains fell within the watershed during spring of 1975.
Structures have used principal spill pipe 3-4 times. Farmers
below sites are well pleased with the flood control provided.

Kadashan Bottom Watershed (Wagoner County)

Sponsors: Wagoner County Conservation District
Kadashan Conservancy District

Size: 9,326 acres

Land Ownership: 305 acres Indian land; 5,413 acres absentee
ownership - 3,608 acres owner operated

Land Use: 2,518 acres cropland; 6,248 acres pasture and range;
560 acres miscellaneous

Authorized for Planning: September 23, 1968

Authorized for Operations: December 3, 1971

Estimated Total Cost of Project:

a. Public Law 566 funds	\$ 725,357
b. Other	325,055
Total	<u>\$1,050,412</u>

Land Treatment:

a. Percent of land adequately protected: 55
b. Percent of planned measures applied: 60

Watershed Problems:

Flood damages to crops, pasture, farm property and public
roads
Lack of adequate conservation treatment
Inadequate channels
Lack of conservation, development and utilization of fish
and wildlife resources

Project Purpose:

Flood prevention

Structural Measures Planned:

6 floodwater retarding structures
5.6 miles of channel improvement

Structural Measures Installed:

None

Easement Status:

3 sites cleared for construction
29 easements secured
18 easements remaining

Acres of Flood Plain Protected by Project: 2,089

Case History of Watershed Project Benefits:

No structures installed at this date

Leader-Middle Clear Boggy Creek Watershed (Pontotoc and Coal Counties)

Sponsors: Coal County Conservation District
Pontotoc County Conservation District
Upper Clear Boggy Conservancy District No. 5

Size: 107,968 acres

Land Ownership: 85 percent owner operated - 15 percent tenant

Land Use: 50 percent range - 40 percent tame pasture - 10 percent cropland

Authorized for Planning: June 6, 1958

Authorized for Operations: August 29, 1960

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,620,000
b. Other	1,910,000
Total	<u>\$4,530,000</u>

Land Treatment:

a. Percent of land adequately protected:	73
b. Percent of planned measures applied:	75

Watershed Problems:

Floodwater and sediment damage to agricultural lands

Interruption of travel on State Highways 3 and 31

Flood damage to county roads and bridges

Project Purpose:

Flood prevention

Structural Measures Planned:

43 floodwater retarding structures

Structural Measures Installed:

33 floodwater retarding structures

Easement Status:

One of 93 needed easements obtained

Acres of Flood Plain Protected by Project: 7,172

Case History of Watershed Project Benefits:

Benefits are limited due to only 36 percent control. Thirty-three of the 43 planned structures have been completed. Ten structures in Coal County have not been completed. The 33 completed structures provide only 36 percent of the planned 67.6 percent control. The 10 remaining sites will provide 31.5 percent control when built. Landowners and operators within the watershed estimate that the degree of flooding has decreased. Land improvement in the bottom lands is increasing and other improvements are being made resulting in economic gains for the area. Some of the lakes are stocked with fish and are open to the public, with owner's permission, without charge. Some are large enough for boating which is also permitted.

Long Branch Creek Watershed (Payne and Noble Counties)

Sponsors: Noble County Conservation District
Payne County Conservation District

Size: 28,160 acres

Land Ownership: 3 percent Indian land - 97 percent deeded land

Land Use: 38 percent cropland - 59 percent pasture and range -
3 percent other

Authorized for Planning: January 25, 1955

Authorized for Operations: June 21, 1956

Estimated Total Cost of Project:

a. Public Law 566 funds	\$ 689,971
b. Other	363,592
Total	<u>\$1,053,563</u>

Land Treatment:

a. Percent of land adequately protected:	68
b. Percent of planned measures applied:	88

Watershed Problems:

Floodwater and sediment damage to agricultural and non-agricultural land

Upland flood plain erosion

Project Purposes:

Flood prevention

Structural Measures Planned:

11 floodwater retarding structures

Structural Measures Installed:

8 floodwater retarding structures - PL 566 cost \$349,873

Easement Status:

2 sites are cleared for construction and only one easement is needed to clear the last remaining site; 12 of the 13 total easements have been secured

Project re-activated February 1973

Acres Flood Plain Protected by Project: 2,583

Case Histories of Watershed Project Benefits:

Major flooding occurred twice along this watershed. Sites Nos. 7a and 11 are furnishing water for Morrison and Morr Water, but they are not adequate to meet the demand. This project has been reactivated and sponsors have secured all land rights for the project.

Lost-Duck Creeks Watershed (Kay County)

Sponsors: Western Kay County Conservation District
Arkansas River Kay County Conservation District
Lost Creek Conservancy District No. 1
Duck Creek Conservancy District No. 1
Commissioners of the Land Office

Size: 55,040 acres

Land Ownership: 5 percent school land - 95 percent deeded land

Land Use: 74 percent cropland - 20 percent pasture and range -
6 percent

Authorized for Planning: February 12, 1968

Authorized for Operations: June 24, 1970

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,579,949
b. Other	990,426
Total	<u>\$2,570,375</u>

Land Treatment:

a. Percent of land adequately protected:	75
b. Percent of planned measures applied:	70

Watershed Problems:

Problems include a lack of conservation treatment on the land, inadequate channels, and flood damage to crops, pastures, farm property, railroad property, public roads, culverts and bridges

Project Purposes:

Flood prevention

Structural Measures Planned:

a. 12 floodwater retarding structures
b. 12.75 (approximately) miles of channel improvement

Structural Measures Installed:

None

Easement Status:

No sites are cleared for construction; 40 of 82 total easements have been secured. None of 39 rights-of-way have been secured

Acres of Flood Plain Protected by Project: 9,654

Case History of Watershed Project Benefits:

Contracting or construction has not started on this project. When installed, this project will reduce sediment yield from the watershed and reduce flood damages on 9,654 acres of flood plain below the structure locations.

Lower Bayou Creek Watershed (Love and Carter Counties)

Sponsors: Love County Conservation District
Arbuckle Conservation District

Size: 95,488 acres

Authorized for Planning: June 26, 1961

Authorized for Operations: June 17, 1964

Estimated Total Cost of Project:

a. Public Law 566 funds	\$4,586,977
b. Other	<u>1,250,665</u>
Total	\$5,837,642

Land Treatment:

a. Percent of land adequately protected:	61
b. Percent of planned measures applied:	73

Watershed Problems:

Floodwater and sediment damage to agricultural land
Drainage of Simon and Walnut Bayou Creek bottom land

Project Purposes:

Flood prevention and channel enlargement of principal streams

Structural Measures Planned:

19 floodwater retarding structures
38.17 miles channel improvement

Structural Measures Installed:

Sites 7, 10, 13, 14, 17 and 18 - PL 566 cost \$1,106,427

Easement Status:

2 sites are cleared for construction
54 easements of 232 easements are secured

Acres Flood Plain Protected by Project: 13,516

Case History of Watershed Project Benefits:

Construction is complete on six sites. These sites have contained in excess of 600 acre-feet of water that would have caused more flooding downstream. Four sites have been stocked with fish.

Lower Black Bear Watershed (Pawnee, Payne, and Noble Counties)

Sponsors: Pawnee County Conservation District
Payne County Conservation District
Noble County Conservation District
Black Bear Conservancy District
Commissioners of the Land Office

Size: 157,683 acres

Land Ownership: 9 percent Indian land; 12 percent deeded tenant

Land Use: 43,570 acres cropland - 90,036 acres pasture and rangeland;
19,937 woodland pasture; 4,140 acres miscellaneous

Authorized for Planning: November 16, 1946

Authorized for Operations: April 1, 1969

Estimated Total Cost of Projects:

a. Public Law 566 funds	\$2,668,286
b. Other	<u>1,299,402</u>
Total	\$3,967,688

Land Treatment:

- a. Percent of land adequately protected: 44
- b. Percent of planned measures applied: 55

Watershed Problems:

Floodwater damage to cropland, roads and bridges, urban area of Pawnee, sediment damage to Keystone Reservoir, sheet erosion, scour damage in flood plain and channel scour

Project Purpose:

Flood prevention - reduce flood damage to City of Pawnee and agricultural areas; also amendment is being prepared to include municipal water on site 19 for four towns and rural water districts

Structural Measures Planned:

26 floodwater retarding structures

Structural Measures Installed:

3 sites completed; 3 under construction

Easement Status:

77 easements of 147 needed secured
2 sites cleared for construction

Acres in Flood Plain Protected by Project: 11,921

Case Histories of Watershed Project Benefits:

During the past year there were 2 minor and 1 major floods within the watershed. Without the structures on Upper and Lower Black Bear watersheds these floods would have exceeded the 1959 floods.

Lower Clear Boggy Creek Watershed (Atoka, Coal, Bryan, and
Johnston Counties)

Sponsors: Atoka County Conservation District
Coal County Conservation District
Bryan County Conservation District
Johnston County Conservation District
Lower Clear Boggy Conservancy District

Size: 240,301 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: March 6, 1964

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,487,929
b. Other	<u>2,979,994</u>
Total	\$5,467,923

Land Treatment:

a. Percent of land adequately protected:	90
b. Percent of planned measures applied:	78

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention

Structural Measures Planned:

27 floodwater retarding structures
2.02 miles channel improvement

Structural Measures Installed:

None

Easement Status:

Prime contract for construction of sites 22, 23, and 25 has been awarded and contractor is working. Prime contract for sites 14, 17, and 24 has been awarded but contractor has not started work. Sites 20, 27, 5, 6, 7, and 8 have been cleared. DEI completed on sites 20, 27, 5, and 6.

Acres in Flood Plain Protected by Project: 20,443

Effectiveness of Project:

No structures completed to date.

Lower Red Rock Creek Watershed (Noble and Pawnee Counties)

Sponsors: Noble County Conservation District
Pawnee County Conservation District
Red Rock Conservancy District
Commissioners of the Land Office

Size: 116,582 acres

Land Ownership: 20 percent Indian land - 5 percent school land
75 percent deeded land

Land Use: 43 percent cropland - 53 percent range and pasture -
4 percent other

Authorized for Planning: July 25, 1966

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,364,943
b. Other	<u>1,417,420</u>
Total	\$3,782,363

Land Treatment:

a. Percent of land adequately protected: 67
b. Percent of planned measures applied: 62

Watershed Problems:

Floodwater damage to agricultural and nonagricultural land
Sediment damage, overbank deposition, erosion damage and
flood plain scour

Project Purposes:

Flood prevention

Structural Measures Planned:

26 floodwater retarding structures

Structural Measures Installed:

3 sites under construction

Easement Status:

5 sites are cleared for construction and 43 of 120 total easements
secured. Six of 26 rights-of-way have been secured

Acres Flood Plain Protected by Project: 12,815

Case History of Watershed Project Benefits:

Several major floods occurred both on the main stem and on
tributaries.

Okfuskee Tributaries Watershed (Creek, Okfuskee and Okmulgee Counties)

Sponsors: Creek County Conservation District
Okfuskee County Conservation District
Okmulgee County Conservation District
City of Okmulgee

Size: 201,575 acres

Land Ownership: 5 percent Indian land - 38 percent tenant operated

Land Use: 18,363 acres cropland - 39,730 acres pastureland
61,672 acres woodland pasture - 4,817 acres wildlife and
recreation land - 4,607 acres miscellaneous

Authorized for Planning: November 22, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,447,990
b. Other	<u>2,643,385</u>
Total	\$6,091,375

Land Treatment:

a. Percent of land adequately protected: 65
b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater, drainage, scour damage and sediment damage to
agricultural lands
Need for municipal water and recreation for Town of Okmulgee

Project Purposes:

Flood prevention, municipal water and irrigation

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water
1 multipurpose structure with irrigation water
33 floodwater retarding structures
14 miles channel improvement

Structural Measures Installed:

2 floodwater retarding structures

Easement Status:

1 multipurpose site w/recreation and municipal water under
construction; 8 sites are under contract for construction; 10
sites are cleared for construction; 140 of 200 total easements
secured

Acres Flood Plain Protected by Project: 11,301

Case History of Watershed Project Benefits:

Hilliby sites 5 and 6, completed in 1973 and vegetated in 1974, have
functioned properly, and, have protected the land and county roads
below the sites. Contracts have been let on S-1, municipal site for
City of Okmulgee, Hilliby Creek sites 1, 3, 4, 7, and 8, and Walnut
Creek sites 4, 5, and 8. Site H-3 is a multipurpose structure pro-
viding the landowner with irrigation water. The land treatment
program has affected the amount of runoff in the watershed.
Installation of the 35 structures and 14 miles of channel improvement
are expected to produce annual benefits of \$325,062. Benefit cost
ratio is 1.85 to 1. Recreation will be provided in the lakes formed
by the structures and some wildlife habitat development is planned.

Okmulgee Creek Watershed (Okmulgee County)

Sponsors: Okmulgee County Conservation District
Okmulgee Creek Conservancy District
City of Okmulgee
Okmulgee County Commissioners

Size: 14,490 acres

Land Ownership: 2 percent Indian land - 5 percent tenant operated

Land Use: 1,130 acres cropland - 9,592 acres range - 1,029 acres
pasture land - 2,739 acres urban

Authorized for Planning: December 18, 1961

Authorized for Operations: June 17, 1964

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,600,000
b. Other	294,156
Total	\$2,894,156

Land Treatment:

a. Percent of land adequately protected: 87
b. Percent of planned measures applied: 75

Watershed Problems:

Floodwater, scour and sediment damage on agricultural land
and within the City of Okmulgee

Project Purposes:

Flood prevention

Structural Measures Planned:

2 floodwater retarding structures
3.47 miles of channel improvement

Structural Measures Installed:

2 floodwater retarding structures

Easement Status:

Easements and rights-of-way have been obtained on lower and
middle segment of channel improvement. Thirty-four of forty-
six easements have been acquired on the upper segment.

Acres of Flood Plain Protected by Project: 863

Case Histories of Watershed Project Benefits:

During the period of June 4 to 8, 10.42 inches of rain fell in
Okmulgee. Five inches of this fell within one and one-half hours
Saturday making a 24-hour total of 8.8 inches. The newly con-
structed channel below 20th Street contained this runoff; however,
the floodwaters above this area were too great for the old channel
even with the help of two flood retarding structures. An esti-
mated 50-block area of Okmulgee was flooded for a short time.
The floodwaters receded very quickly due to the partially completed
project. Local sponsors compare this storm to the flood of record
which occurred in 1948 when 13.97 inches fell in three days. The
recent storm apparently was more intense than the 1948 rain. The
1948 flood left 2000 people homeless in a 150-block area for an
extended period of time. The partially completed Okmulgee Creek
project has proven its value.

Otter Creek Watershed (Kiowa, Tillman and Comanche Counties)

Sponsors: Kiowa County Conservation District
Tillman County Conservation District
Comanche County Conservation District

Size: 184,200 acres

Authorized for Planning: January 11, 1965

Authorized for Operations: August 22, 1966

Estimated Total Cost of Project:

a. Public Law 566 funds	\$ 801,880
b. Other	<u>2,230,045</u>
Total	\$3,031,925

Land Treatment:

a. Percent of land adequately protected:	72
b. Percent of planned measures applied:	82

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purpose:

Flood prevention

Structural Measures Planned:

7 floodwater retarding structures

Structural Measures Installed:

4 floodwater retarding structures completed

Easement Status:

1 site cleared for construction
2 sites need 12 easements to clear

Acres Flood Plain Protected by Project: 7,272

Case History of Watershed Project Benefits:

The four structures completed have reduced flooding from a number of storms in 1973 - 1975. All structures are stocked with fish. One site is being planned for irrigation of 20 acres. Recreation potential for about 20 families is planned and with flood loss reduction improved, the economy within the area will be enhanced.

Pryor Creek Watershed (Mayes, Rogers and Craig Counties)

Sponsors: Mayes County Conservation District
Rogers County Conservation District
Craig County Conservation District
Pryor Creek Conservancy District

Size: 175,488 acres

Land Ownership: 75 percent owner operated - 16 percent absentee
tenant - 6 percent federal and state

Land Use: 157,939 acres pasture - 12,284 acres cropland
5,265 acres other

Authorized for Planning: January 6, 1967

Authorized for Operations: August 27, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,105,152
b. Other	1,990,290
Total	<u>\$4,095,442</u>

Land Treatment:

a. Percent of land adequately protected:	64
b. Percent of planned measures applied:	70

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purpose:

Flood prevention

Structural Measures Planned:

36 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

6 sites are cleared for construction

60 of 192 easements have been secured

Acres of Flood Plain Protected by Project: 12,441

Case History of Watershed Project Benefits:

No structures installed at this date

Quapaw Creek Watershed (Lincoln and Pottawatomie Counties)

Sponsors: Lincoln County Conservation District
Shawnee Conservation District
Town of Meeker
Town of Sparks

Size: 98,560 acres

Land Ownership: 1.6 percent Indian land - 25 percent tenant operated

Land Use: 16,510 acres cropland - 56,154 acres rangeland
22,936 acres pastureland - 2,960 acres miscellaneous

Authorized for Planning: May 1963

Authorized for Operations: September 1965

Estimated Total Cost of Project:

a. Public Law 566 funds	\$4,232,131
b. Other	<u>1,635,800</u>
Total	\$5,867,931

Land Treatment:

a. Percent of land adequately protected: 75
b. Percent of planned measures applied: 85

Watershed Problems:

Floodwater and sediment damage to agricultural land
Need for municipal water and recreation for Town of Meeker

Project Purposes:

Flood prevention, recreation and municipal water

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water
1 multipurpose structure with municipal water
42 floodwater retarding structures
8.8 miles channel improvement

Structural Measures Installed:

2 multipurpose structures
21 floodwater retarding structures
6 floodwater retarding structures contracted for construction

Easement Status:

5 additional sites are cleared for construction
44 of 76 remaining easements secured

Acres Flood Plain Protected by Project: 7,208

Case History of Watershed Project Benefits:

The farmer below sites 17, 33, and 34, did not loose any crops due to flooding during September 1 and November 2, 1974 heavy rains and flooding, but along the main creek where 8 structures are planned but not constructed upstream all crops were lost. Hay cut for baling was washed away. Two multipurpose structures have been installed at Sparks and Meeker for municipal water supply and are being used. Meeker is constructing their planned recreation facilities this year. Both lakes have been stocked with fish.

Sallisaw Creek Watershed (Adair and Sequoyah Counties)

Sponsors: Sallisaw Creek Conservancy District
Sequoyah County Conservation District
Adair County Conservation District
Cherokee County Conservation District
City of Sallisaw
City of Stilwell
Stilwell Area Development Authority

Size: 185,280 acres

Land Ownership: 8 percent Indian land - 75 percent owner operated -
4 percent absentee owner - 4.67 percent state owned

Land Use: 5,558 acres cropland - 3,529 acres range - 61,256 acres
tame pasture - 61,256 acres pastured woodland - 6,000
acres miscellaneous

Authorized for Planning: September 11, 1959

Authorized for Operation: August 28, 1961

Estimated Total Cost of Project:

a. Public Law 566 funds	\$ 7,641,400
b. Other	<u>2,379,631</u>
Total	\$10,021,031

Land Treatment:

a. Percent of land adequately protected: 49
b. Percent of planned measures applied: 79

Watershed Problems:

Floodwater and sediment damage to agricultural land
Sediment deposits in Robert S. Kerr Reservoir and Navigation
channel
Need for municipal water for cities of Sallisaw and Stilwell

Project Purpose

Flood prevention and municipal water

Structural Measures Planned:

40 floodwater retarding structures
2 multipurpose structures with municipal water

Structural Measures Installed:

33 floodwater retarding structures
2 multipurpose structures with municipal water

Easement Status:

Site 25 is under construction and 71 of 119
remaining easements secured

Acres of Flood Plain Protected by Project: 8,146

Case History of Watershed Project Benefits:

Two periods of flooding occurred on Sallisaw Creek in October 1969 and October 1970, that would have resulted in approximately \$236,740 damages had the structures not been in place. With the number of structures in place, approximately 1,700 and 5,500 acres of flooding occurred with a total of \$25,000 in damages resulting. The structures resulted in a reduction in damages of approximately 90 percent. Private and public recreation facilities have been established on several of the structures. Four of the structures, in addition to the multipurpose structures,

Sallisaw Creek Watershed (Adair and Sequoyah Counties) (cont.)

are now being used for private and commercial water facilities.
Irrigation water is being supplied by part of the structures
with additional interest being developed as pastures are improved.

Salt Creek Watershed (Pottawatomie and Seminole Counties)

Sponsors: Salt Creek Conservancy District
Konawa Conservation District
Shawnee Conservation District

Size: 152,000 acres

Land Ownership: 75 percent owner operated and 25 percent tenant operated

Land Use: 7,496 acres of cropland, 33,477 acres of pastureland, 68,615 acres of rangeland, and 39,080 acres of woodland grazed

Authorized for Planning: April 1957

Authorized for Operation: March 1959

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,663,086
b. Other	<u>2,635,000</u>
Total	\$5,298,086

Land Treatment:

- a. Percent of land adequately protected: 96.8
- b. Percent of planned measures applied: 86

Watershed Problems:

Floodwater and sediment damage to agricultural land and damage to county roads and bridges

Project Purpose:

Floodwater prevention

Structural Measures Planned:

49 floodwater retarding structures

Structural Measures Installed:

34 floodwater retarding structures - PL 566 cost \$1,804,410

Easement Status:

15 easements of 65 have been secured

34 easements have expired

Funds from the watershed loan have been secured and tax assessment has been placed on the tax roll

Acres of Flood Plain Protected by Project: 22,261

Case History of Watershed Project Benefits:

A landowner, who has benefitted land below site 40, Salt Creek watershed, said he has had no problem with flooding since the site was constructed. Before construction of the watershed structure, his land was flooded many times. One time in the 1940's, 10 inches of soil were lost down to the plow sole from a 10-acre bottom field which had just been plowed before a flood. Land is worth more, cropland has doubled in yields, and pastures have produced more grass. Beef and hay production has doubled.

Salt-Camp Creek Watershed (Lincoln and Creek counties)

Sponsors: Creek County Conservation District
Lincoln County Conservation District
Salt-Camp Conservancy District No. 19
City of Stroud

Size: 73,030 acres

Authorized for Planning: August 15, 1961

Authorized for Operations: March 6, 1964

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,928,004
b. Other	<u>1,987,751</u>
Total	\$3,915,755

Land Treatment:

a. Percent of land adequately protected:	58
b. Percent of planned measures applied:	57

Watershed Problems:

Floodwater and sediment damage to agricultural land
Need for municipal water and recreation for City of Stroud
Flood damage in FY 1971 estimated at \$80,000; flooding in September 1970 from a 7½-inch rain covered 90 percent of entire flood plain about 3 feet deep in an area and 60 percent over another area. In May 1973, flooding occurred from a 5-inch rain which covered 80 percent of the flood plain and damage was estimated at \$40,000. Three major storms in the Salt-Camp Creek watershed in 1974 caused severe damage to fences, crops, county roads, and livestock losses.

Project Purposes:

Flood prevention, recreation municipal water, sediment and pollution control

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water
24 floodwater retarding structures

Structural Measures Installed:

1 multipurpose structure

Easement Status:

182 easements are required on 24 structures
21 of the easements have been secured

Acres Flood Plain Protected by Project: 4,643

Effectiveness of Project:

Site 12, Stroud Municipal multipurpose structure, has been constructed and is providing flood protection on a 2-mile area of the flood plain below the dam. The lake is providing municipal water to the City of Stroud and is a popular recreation facility.

Sandy Creek Watershed: (Pontotoc and Garvin Counties)

Sponsors: Pontotoc County Conservation District
Garvin Conservation District
Sandy Creek Water and Soil Conservancy District

Size: 147,243 acres

Land Ownership: 3,494 acres Indian land

Authorized for Planning: April 15, 1955

Authorized for Operations: August 26, 1957

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,405,134
b. Other	<u>2,250,000</u>
Total	\$4,655,134

Land Treatment:

a. Percent of land adequately protected: 53

b. Percent of planned measures applied: 72

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purpose:

Flood prevention

Structural Measures Planned:

33 floodwater retarding structures

Structural Measures Installed:

26 flood retarding structures

Easement Status:

Over 90 percent of total easements have been secured; 39 easements needed on remaining sites

Acres of Flood Plain Protected by Project: 12,653

Case History of Watershed Project Benefits:

Site 4 has been developed into a recreational site with swimming, camping, horseback riding, fishing facilities

Stillwater Creek Watershed (Payne, Noble, and Logan Counties)

Sponsors: Conservancy District No. 16 in Payne and Noble Counties
Payne County Conservation District
Noble County Conservation District
Logan County Conservation District
City of Stillwater
Commissioners of the Land Office

Size: 177,216 acres

Land Ownership: 20 percent tenant operated

Land Use: 79,747 acres open rangeland - 30,128 pastured woodland
40,760 cropland - 3,544 pasture (former cropland)
23,037 acres urban

Authorized for Planning: September 26, 1960

Authorized for Operations: October 11, 1963

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,518,945
b. Other	<u>3,753,204</u>
Total	\$7,272,149

Land Treatment:

a. Percent of land adequately protected: 83
b. Percent of planned measures applied: 84

Watershed Problems:

Floodwater and sediment damage to urban areas, agricultural land, flood plain scour and erosion; need for municipal water and recreation for city of Stillwater; and need for water supply and irrigation water supply

Project Purposes:

Flood prevention, municipal water, irrigation, and recreation

Structural Measures Planned:

47 floodwater retarding structures
5 multipurpose structures with irrigation water supply
1 multipurpose structure with municipal water supply and recreation
1 multipurpose structure with municipal water supply
6.3 miles stream channel improvement

Structural Measures Installed:

2 multipurpose structures
22 floodwater retarding structures
Construction has been completed on sites 34 and 35

Easement Status:

Of those sites yet to be constructed 1 of 152 total easements have been secured and 6 of 48 total rights-of-ways have been secured. Conservancy directors have commenced condemnation proceedings to clear the remaining easement on site 36

Acres Flood Plain Protected by Project: 10,553

Case Histories of Watershed Project Benefits:

Several emergency spillways functioned once during the year. Flooding occurred below Lake Carl Blackwell caused by excessive runoff flowing through the spillway. Sponsors are very interested in a program to control this flooding. Recreation development on site 40M continues. During the year, 2 comfort stations were completed and work on overnight camping areas has started.

Tri-County Turkey Creek Watershed (Jackson, Harmon and Greer Counties)

Sponsors: Jackson County Conservation District
Harmon County Conservation District
Greer County Conservation District
Tri-County Turkey Creek Conservancy District

Size: 196,400 acres

Land Ownership: 100 percent privately owned; 40 percent tenant operated

Land Use: Cropland - 120,000 acres; formerly cultivated - 15,900 acres;
rangeland - 59,300 acres; miscellaneous - 1,200 acres

Authorized for Planning: March 13, 1961

Authorized for Operations: August 29, 1963

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,150,000
b. Other	<u>1,946,000</u>
Total	\$5,096,000

Land Treatment:

- a. Percent of land adequately protected: 70
- b. Percent of planned measures applied: 78

Watershed Problems:

Flooding and sediment damage to agricultural land

Project Purpose:

Flood prevention - recharge underground water supply in irrigated areas

Structural Measures Planned:

42 floodwater retarding structures (originally 41 - site 5 now 5A and 5B)

Structural Measures Installed:

27 floodwater retarding structures completed

Easement Status:

57 land easements yet to secure; 9 land easements secured
23 rights-of-way to secure; 3 rights-of-way secured

Acres Flood Plain Protected by Project: 12,328

Case History of Watershed Project Benefits:

Site 3 provides recreational benefits for fishing and boating. Thirty-five to 40 fishermen fish this site each week. Site 7 provides irrigation water for 70 acres of cropland. A total of 3 inches of rain fell on September 19 and 20, 1974, and filled structures to above permanent pool elevation. The structures prevented damage to bottom lands, fences, and bridges. No water has gone through any of the emergency spillways. Many benefits have been received from underground recharge. Sites 10, 16, 17, 20, and 23 contribute to underground recharge. Sites 15 and 29A are used for fishing.

Uncle John Creek Watershed (Canadian and Kignfisher Counties)

Sponsors: East Canadian County Conservation District
Kingfisher County Conservation District

Size: 99,584 acres

Land Ownership: 3.87 percent Indian land - 1.3 percent Federal land -
1.0 percent school land

Land Use: 55 percent cropland - 35 percent rangeland - 5 percent
pasture - 5 percent miscellaneous

Authorized for Planning: April 13, 1964

Authorized for Operations: July 14, 1965

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,470,000
b. Other	936,700
Total	<u>\$3,406,700</u>

Land Treatment:

a. Percent of land adequately protected: 86

b. Percent of planned measures applied: 86

Watershed Problems:

Floodwater and sediment damage to agricultural lands, county
roads, bridges, and city of Kingfisher

Project Purpose:

Flood prevention

Structural Measures Planned:

14 floodwater retarding structures

Structural Measures Installed:

12 retarding structures

Easement Status:

80 of the 86 land rights easements needed have been secured

Acres Flood Plain Protected by Project: 5,344

Case History of Watershed Project Benefits:

Twelve of the planned fourteen structures are in place and have prevented major flooding to the 5,344 acres of highly productive bottom land in the watershed. Major benefits have been received by private and public properties in the city of Kingfisher. Kingfisher County and Canadian County Commissioners have received flood protection from many bridges and miles of county roads. One structure is open to public fishing on the honor-box system. One other has private membership privileges. Providing recreation to as many as 150 people per day on weekends and holidays. The other structures are stocked with fish and provide water-based recreation, fishing, camping, and picnic areas. Five of the structures are used for supplemental irrigation.

Upper Bayou Creek Watershed (Carter and Love Counties)

Sponsors: Arbuckle Conservation District
Love County Conservation District

Size: 119,680 acres

Authorized for Planning: June 26, 1961

Authorized for Operations: June 17, 1964

Project Reactivated: March 1971

Estimated Total Cost of Project:

a. Public Law 566 funds	\$2,383,169
b. Other	<u>1,499,361</u>
Total	\$3,882,530

Land Treatment:

a. Percent of land adequately protected:	69
b. Percent of planned measures applied:	78

Watershed Problems:

Floodwater and sediment damage, erosion damage, need for
municipal and recreation water for the City of Healdton

Project Purposes:

Flood prevention
Recreation
Municipal water

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water
21 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

67 of a total of 168 easements obtained; 2 structures scheduled
for construction

Acres Flood Plain Protected by Project: 9,178

Case History of Watershed Project Benefits:

No structures installed to date

Upper Black Bear Creek Watershed (Noble, Garfield and Pawnee Counties)

Sponsors: Noble County Conservation District
Garfield County Conservation District
Pawnee County Conservation District
Black Bear Conservancy District
City of Perry
Commissioners of the Land Office

Size: 241,546 acres

Land Ownership: 2 percent Indian land - 5 percent school land -
93 percent deeded land

Land Use: 52 percent cropland - 43 percent pasture and range
5 percent other

Authorized for Planning: June 6, 1958

Authorized for Operations: August 29, 1960

Estimated Total Cost of Project:

a. Public Law 566 funds	\$5,740,556
b. Other	<u>4,000,000</u>
Total	\$9,740,556

Land Treatment:

a. Percent of land adequately protected: 78
b. Percent of planned measures applied: 75

Watershed Problems:

Sediment and floodwater damages to agricultural lands, county roads and bridges

Need for municipal water for towns of Perry and Lucien

Project Purposes:

Flood prevention - municipal water

Structural Measures Planned:

1 multipurpose structure with municipal water
75 floodwater retarding structures

Structural Measures Installed:

1 multipurpose structure with municipal water
57 floodwater retarding structures; 6 under construction

Easement Status:

One site is cleared for construction. Of those sites yet to be constructed, 40 of 93 easements have been secured and 3 of 25 rights-of-way secured

Acres Flood Plain Protected by Project: 14,309

Case History of Watershed Project Benefits:

There was major flooding on at least four occasions plus minor floods. We have had an unusually wet year. Emergency spillways functioned on sites Nos. 5, 6, 7, and 69. Water in others was very near emergency spillway level. Flood damage was almost entirely confined to the area from Highway US 77 east. Without the structures in place, the flooding would have been far worse. Structures in place are giving a high degree of protection in the upper end of the main stem flood plain. The Perry City Lake (Site 62) is full and is furnishing an excellent water supply for the city of Perry. Site 48 is furnishing a water supply for the town of Lucien plus a rural water district. One wildlife habitat mitigation planting was made on site 32.

Upper Clear Boggy Watershed (Pontotoc, Coal and Johnston Counties)

Sponsors: Pontotoc County Conservation District
Coal County Conservation District
Johnston County Conservation District
Upper Clear Boggy Conservancy District

Size: 162,240 acres

Authorized for Planning: April 30, 1957

Authorized for Operations: September 2, 1959

Estimated Total Cost of Project:

a. Public Law 566 funds	\$4,514,722
b. Other	<u>3,716,572</u>
Total	\$8,231,294

Land Treatment:

- a. Percent of land adequately protected: 60
- b. Percent of planned measures applied: 72

Watershed Problems:

Upper Clear Boggy and its tributaries are subject to severe flooding; has occurred as often as 5 times in some years

Project Purposes:

Flood prevention

Structural Measures Planned:

54 floodwater retarding structures

Structural Measures Installed:

46 floodwater retarding structures

Easement Status:

Easements and rights-of-way valued at \$171,640 have been obtained from 216 landowners

Acres of Flood Plain Protected by Project: 12,403

Case History of Watershed Project Benefits:

A 9-hole golf course has been developed around site 40 along with a housing project. Site 34 has been developed into a major recreation area. The site is open for swimming, boating, and fishing. The owner also uses the water to irrigate his nursery stock.

Upper Elk Creek Watershed (Beckham, Washita and Kiowa Counties)

Sponsors: North Fork of Red River Conservation District
Kiowa County Conservation District
Town of Elk City
Town of Sentinel

Size: 284,240 acres

Authorized for Planning: August 9, 1963

Authorized for Operations: September 10, 1965

Estimated Total Cost for Project:

a. Public Law 566 funds	\$5,400,000
b. Other	<u>3,100,000</u>
Total	\$8,500,000

Land Treatment:

a. Percent of land adequately protected:	70
b. Percent of planned measures applied:	85

Watershed Problems:

Floodwater and sediment damage to agricultural land
Need for municipal recreation for the towns of Sentinel and
Elk City

Project Purpose:

Floodwater prevention - recreation

Structural Measures Planned:

2 multipurpose structures for recreation
45 floodwater retarding structures
9.7 miles of channel improvement

Structural Measures Installed:

26 floodwater retarding structures
1 multipurpose structure

Easement Status:

4 sites are under contract for construction
138 of 170 easements have been obtained
10 rights-of-way for utilities, etc., are needed on remaining sites
5 sites need only one land easement each to be cleared
7 sites need only two land easements each to be cleared

Acres Flood Plain Protected by Project: 25,613

Case History of Watershed Project Benefits:

May 13, 1975, 7-8 inches of rain fell on the watershed above
Site 22R. Approximately 1,000 acre-feet of water was impounded
and discharged through the principal spillway at a maximum rate
of 150 cfs resulting in no flooding below the site.

Upper Red Rock Creek Watershed (Garfield and Noble Counties)

Sponsors: Garfield County Conservation District
Noble County Conservation District
Red Rock Conservancy District
Commissioners of the Land Office

Size: 197,376 acres

Land Ownership: 5 percent school land - 95 percent deeded land

Land Use: 66 percent cropland - 30 percent rangeland and pasture
4 percent other

Authorized for Planning: June 6, 1958

Authorized for Operations: August 17, 1961

Estimated Total Cost of Project:

a. Public Law 566 funds	\$3,300,000
b. Other	<u>2,200,000</u>
Total	\$5,500,000

Land Treatment:

- a. Percent of land adequately protected: 73
- b. Percent of planned measures applied: 75

Watershed Problems:

Sediment and floodwater damage to agricultural and non-agricultural land, and to roads and bridges

Project Purpose:

Flood prevention

Structural Measures Planned:

56 floodwater retarding structures

Structural Measures Installed:

34 floodwater retarding structures

Easement Status:

One site is cleared for construction. On remaining sites to be constructed, 33 of 119 easements have been secured and 3 of 44 rights-of-way have been secured

Acres Flood Plain Protected by Project: 14,911

Case History of Watershed Project Benefits:

This watershed has had 6 or 7 major floods. The emergency spillways were functional on several sites including 1, 9, 48, 54, and 55. Most of the flood damage is on the main stem in the lower 10 miles or so of the watershed. Bunch creek continues to be a problem. It has essentially no control in place and site No. 11 and/or 12 is needed badly. Site No. 47 is on another tributary to Red Rock Creek that floods badly. This site is not built but the sponsors hope to clear sites Nos. 11 and 47 within the coming fiscal year. Maintenance work has been done on sites Nos. 5 and 54.

Waterfall-Gilford Watershed (McCurtain County)

Sponsors: Little River Conservation District
Waterfall-Gilford Flood Control and Soil Conservancy District

Size: 43,410 acres

Land Ownership: 97 percent private - 2 percent U.S. Forest Service
1 percent Indian land - 7 percent tenant operated

Land Use: 20 percent cropland - 70 percent pasture - 5 percent
woodland - 5 percent roads, lakes, farmstead, etc.

Authorized for Planning: March 13, 1961

Authorized for Operations: August 29, 1963

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,178,066
b. Other	<u>1,431,292</u>
Total	\$2,609,358

Land Treatment:

a. Percent of land adequately protected: 78
b. Percent of planned measures applied: 60

Watershed Problems

Floodwater and sediment damage to agricultural land
Erosion damage
Drainage

- a. Outlets are needed for on-farm open drainage systems --
excessive runoff delays plant development and delays
harvest
b. Stagnant lakes and pools provide breeding places for
mosquitoes and other vector insects

Project Purpose:

Flood prevention
Drainage
Erosion control

Structural Measures Planned:

12 floodwater retarding structures
68 miles of channel improvement

Structural Measures Installed:

6 floodwater retarding structures

Easement Status:

3 additional sites are cleared for construction and 204 of 217
easements secured. Five easements have expired due to lag in
construction progress

Acres Flood Plain Protected by Project: 28,000

Case History of Watershed Project Benefits:

All structures have performed as planned. Sites in place kept floods
in August and February from being more destructive. Estimated
reduction is 20 percent. All sites are being used for recreational
purposes including hunting, fishing, swimming, boating, and
picnicking.

PROJECTS APPROVED FOR OPERATIONS (INACTIVE)
PL-566

Bixby Conservancy District No. 25 Watershed (Tulsa County)

Sponsors: Arkansas-Verdigris Conservation District
Bixby Conservancy District No. 25

Size: 3,790 acres

Authorized for Planning: August 9, 1963

Authorized for Operations: August 27, 1964

Structural Measures Planned:

8.6 miles channel improvement

Structural Measures Installed:

None

Became Inactive: August 27, 1966

Cache Creek Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District
Cache Bottom Conservancy District

Size: 12,535 acres

Authorized for Planning: April 25, 1960

Authorized for Operations: January 19, 1961

Structural Measures Planned:

19.6 miles channel improvement

Structural Measures Installed:

None

Became Inactive: June 25, 1963

Dumpling-Beaver Creeks Watershed (Pushmataha and Choctaw Counties)

Sponsors: Pushmataha Conservation District
Kiamichi Conservation District
Dumpling-Beaver Creeks Conservancy District
Town of Antlers

Size: 39,674

Authorized for Planning: June 29, 1964

Authorized Operations: April 1, 1969

Structural Measures Planned:

9 floodwater retarding structures

1 multipurpose structure with recreation, municipal water and
rural water

8.49 miles channel improvement

Structural Measures Installed:

None

Became Inactive: February 28, 1972

Haikey Creek Watershed (Tulsa County)

Sponsors: Arkansas-Verdigris Soil Conservation District
Haikey Creek Conservancy District

Size: 24,872 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: July 31, 1961

Structural Measures Planned:

8 floodwater retarding structures

3.7 miles channel improvement

Structural Measures Installed:

None

Became Inactive: June 25, 1963

Squirrel Creek Watershed (Pottawatomie County)

Sponsors: Squirrel Creek Conservancy District
Shawnee Conservation District

Size: 16,128 acres

Authorized for Planning: March 12, 1962

Authorized for Operations: September 14, 1964

Structural Measures Planned:

7 floodwater retarding structures

3.4 miles channel improvement

Structural Measures Installed:

None

Became Inactive: September 22, 1970

Upper Blue River Watershed (Atoka, Bryan, Johnston, Murray and
Pontotoc Counties)

Sponsors: Pontotoc County Conservation District
Johnston County Conservation District
Bryan County Conservation District
Atoka County Conservation District
Murray County Conservation District

Size: 203,100 acres

Authorized for Planning: April 25, 1960

Authorized for Operations: October 2, 1962

Structural Measures Planned:

74 floodwater retarding structures

Structural Measures Installed:

None

Became Inactive: September 30, 1968

PROJECTS AUTHORIZED FOR PLANNING ASSISTANCE
PL-566

Big Beaver Creek Watershed (Cotton, Comanche, Stephens and
Grady Counties)

Sponsors: Cotton County Conservation District
Comanche County Conservation District
Stephens County Conservation District

Size: 177,000 acres

Authorized for Planning: February 12, 1968

Status: Efforts are being made to work out water rights conflicts so
planning may continue

Hoyle Creek Watershed (Major County)

Sponsor: Major County Conservation District

Size: 36,768 acres

Authorized for Planning: June 26, 1975

Status: Preliminary planning efforts have been initiated

Kickapoo Nations Watershed (Lincoln and Oklahoma Counties)

Sponsors: Lincoln County Conservation District
Oklahoma County Conservation District
Kickapoo Nations Conservancy District
City of Chandler
Town of Wellston

Size: 165,300 acres

Authorized for Planning: February 24, 1969

Status: Planning is percent complete

Little Beaver Creek Watershed (Stephens, Grady, Cotton and
Comanche Counties)

Sponsors: Stephens County Conservation District
Grady County Conservation District
Cotton County Conservation District
Comanche County Conservation District

Size: 124,800 acres

Authorized for Planning: July 22, 1969

Status: Planning has been suspended

McKinney-Buzzard Creek Watershed (McCurtain County)

Sponsors: Valliant Conservation District
McKinney-Buzzard Conservancy District

Size: 13,865 acres

Authorized for Planning: September 9, 1968

Status: Preliminary draft has been completed and submitted for
comments

Norwood Creek Watershed (McCurtain County)

Sponsor: Little River Soil Conservation District

Size: 41,600 acres

Authorized for Planning: November 4, 1968

Status: Planning has been suspended

Pott-Sem-Turkey Creek Watershed (Seminole and Pottawatomie Counties)

Sponsors: Seminole County Conservation District
Shawnee Conservation District

Size: 34,560 acres

Authorized for Planning: April 7, 1969

Status: Final draft of work plan and draft environmental statement
are being prepared

Robinson Creek Watershed (Lincoln County)

Sponsor: Lincoln County Conservation District

Size: 40,320 acres

Authorized for Planning: December 14, 1973

Status: Application for planning approved and planning is underway

Sand-Hogshooter Creeks Watershed (Nowata, Osage and Washington
Counties)

Sponsors: Osage County Conservation District
Caney Valley Conservation District
Nowata County Conservation District
Oklahoma Conservancy District No. 26

Size: 242,560 acres

Authorized for Planning: May 22, 1975

Status: Preliminary planning efforts have been initiated

Sans Bois Creek Watershed (Haskell, Latimer, and Pittsburg Counties)

Sponsors: Haskell Conservation District
Latimer Conservation District
Pittsburg County Conservation District

Size: 205,000 acres

Authorized for Planning: July 27, 1970

Status: Planning is 30 percent complete

Turkey Creek Watershed (Garfield, Alfalfa, Major and Kingfisher
Counties)

Sponsors: Garfield County Conservation District
Alfalfa County Conservation District
Major County Conservation District
Kingfisher County Conservation District

Size: 239,000 acres

Authorized for Planning: May 22, 1975

Status: Preliminary planning efforts have been initiated

Upper Muddy Boggy Creek Watershed (Pontotoc, Coal, Hughes and
Pittsburg Counties)

Sponsors: Coal County Conservation District
Hughes County Conservation District
Pontotoc County Conservation District
Pittsburg County Conservation District

Size: 198,000 acres

Authorized for Planning: December 18, 1967

Status: Final work plan and environmental impact statement have
been completed

Upper Little River Watershed (Cleveland County)

Sponsors: Cleveland County Conservation District
Upper Little River Conservancy District

Size: 77,50 acres

Authorized for Planning: November 22, 1965

Status: Planning has been terminated

APPLICATIONS APPROVED BY THE
OKLAHOMA CONSERVATION COMMISSION
PL-566

Atwood-Calvin Tributaries (Hughes County)

Sponsors: Hughes County Conservation District

Size: 72,000 acres

Birds Nest Creek Watershed (Kay and Noble Counties)

Sponsors: Noble County Conservation District

Western Kay County Conservation District

Size: 24,500 acres

Bitter Creek Watershed (Kay County)

Sponsors: Western Kay County Conservation District

Size: 63,320 (in Oklahoma)

Black Fork Creek Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District

Size: 50,160 acres (in Oklahoma)

Bois D'Arc-Cowskin Creeks Watershed (Kay County)

Sponsors: Western Kay County Conservation District

Arkansas River Kay County Conservation District

Size: 80,000 acres

Brazil Creek Watershed (Latimer, LeFlore and Haskell Counties)

Sponsors: LeFlore County Conservation District

Latimer County Conservation District

Haskell County Conservation District

Size: 152,100 acres

Buffalo Creek Watershed (Latimer and Pushmataha Counties)

Sponsors: Talihina Conservation District
Latimer County Conservation District
Size: 49,000 acres

Campbell Creek Watershed (Kingfisher County)

Sponsors: Kingfisher County Conservation District
Size: 41,420 acres

Central Little River Watershed (Cleveland, Pottawatomie and
Seminole Counties)

Sponsors: Shawnee Conservation District
Konawa Conservation District
Cleveland County Conservation District
Size: 220,168 acres

Coal Creek Watershed (Pittsburg and Hughes Counties)

Sponsors: Hughes County Conservation District
Pittsburg County Conservation District
Size: 132,000 acres

Combined Creeks Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District
Size: 98,048 acres (in Oklahoma)

Coody Creek Watershed (Muskogee County)

Sponsors: Muskogee County Conservation District
Size: 33,330 acres

Cottonwood Canyon Watershed (Alfalfa County)

Sponsors: Alfalfa County Conservation District

Size: 36,000 acres

Dirty Creek Watershed (Muskogee and McIntosh Counties)

Sponsors: Muskogee County Conservation District

Checotah Conservation District

Size: 215,000 acres

Duck and Snake Creeks Watershed (Okmulgee, Tulsa and Creek Counties)

Sponsors: Okmulgee County Conservation District

Creek County Conservation District

Tulsa County Conservation District

Size: 115,540 acres

Georges Fork Creek Watershed (McIntosh and Muskogee Counties)

Sponsors: Checotah Conservation District

Muskogee County Conservation District

Size: 38,920 acres

Holston-Reichert-Conser Creeks Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District

Size: 97,792 acres

Hominy Creek Watershed (Osage and Tulsa Counties)

Sponsors: Osage County Conservation District

Tulsa County Conservation District

Size: 248,636 acres

Houston Creek Watershed (Woods County)

Sponsor: Woods County Conservation District

Size: 18,000 acres

J. V. Flats (Revised) (Dewey County)

Sponsors: Dewey County Conservation District

Size: 4,870 acres

Kingfisher Creek Watershed (Kingfisher, Canadian and Blaine Counties)

Sponsors: Kingfisher County Conservation District
Central North Canadian River Conservation District
Blaine County Conservation District
East Canadian County Conservation District
Cimarron Valley Conservation District

Size: 215,000 acres

Lower Beaver Creek Watershed (Jefferson, Cotton and Stephens Counties)

Sponsors: Jefferson County Conservation District
Stephens County Conservation District
Cotton County Conservation District

Size: 124,900 acres

Lower Big Cabin Creek Watershed (Ottawa, Craig, Mayes and
Delaware Counties)

Sponsors: Craig County Conservation District
Size: 146,944 acres

Lower Bird Creek Watershed (Osage, Tulsa, Rogers and
Washington Counties)

Sponsors: Osage County Conservation District
Tulsa County Conservation District
Size: 244,050 acres

Lower Blue River Watershed (Bryan, Atoka and Johnston Counties)

Sponsors: Bryan Conservation District
City of Durant
Size: 236,032 acres

Lower Caney River Watershed (Osage, Washington, Rogers and
Tulsa Counties)

Sponsors: Caney Valley Conservation District
Rogers County Conservation District
Osage County Conservation District
Tulsa County Conservation District
Oklahoma Conservancy District No. 26
Size: 152,940 acres

Lower Skeleton Creek Watershed (Logan, Kingfisher and Garfield
Counties)

Sponsors: Garfield County Conservation District
Logan County Conservation District
Size: 154,200 acres

Lukfata Creek Watershed (McCurtain County)

Sponsors: Little River Conservation District

Size: 34,458 acres

Middle Muddy Boggy Creek Watershed (Coal, Pittsburg and Atoka Counties)

Sponsors: Coal County Conservation District

Atoka County Conservation District

Pittsburg County Conservation District

Size: 149,000 acres

Perkins Laterals (Logan, Lincoln and Payne Counties)

Sponsors: Payne County Conservation District

Lincoln County Conservation District

Logan County Conservation District

Size: 61,800 acres

Sand Creek Watershed (Major County)

Sponsor: Major County Conservation District

Size: 35,000 acres

Six Mile Creek Watershed (Canadian County)

Sponsor: Central North Canadian River Conservation District

Size: 20,160 acres

Turkey-Boggy Creek Watershed (Woods County)

Sponsors: City of Alva

Woods County Conservation District

East Woods County Conservation District

Size: 37,900 acres

Upper Big Cabin Creek Watershed (Craig and Mayes Counties).

Sponsors: Craig County Conservation District

Size: 143,144 acres

Upper Bird Creek Watershed (Osage, Tulsa, Rogers and Washington Counties)

Sponsors: Tulsa County Conservation District

Osage County Conservation District

Size: 248,790 acres

Upper Skeleton Creek Watershed (Kingfisher, Garfield and Logan Counties)

Sponsors: Kingfisher County Conservation District

Logan County Conservation District

Garfield County Conservation District

Size: 247,800 acres

Walnut Bayou Watershed (McCurtain County)

Sponsor: Little River Conservation District

Size: 42,750 acres

Whiskey Creek Watershed (Cotton and Jefferson Counties)

Sponsors: Cotton County Conservation District

Jefferson County Conservation District

Size: 45,240 acres

FLOOD PREVENTION - WASHITA RIVER

WASHITA RIVER

The Project in Brief

The Washita River watershed was authorized under the Flood Control Act of 1944. The problems on the 64 tributaries include floodwater and sediment damages on 265,000 acres of bottom land, and water supply and recreation needs throughout the basin. There are 112,000 acres along the mainstem of the Washita needing protection. Local watershed associations, and city councils with overall guidance provided by the Washita Flood Prevention Council. More than 85 percent of the land is privately owned, and tax-free restricted Indian land amounts to 9 percent. There are 30,392 acres in the Black Kettle National Grassland which is administered by the Forest Service. Work plans have been completed on 56 of the 64 subwatersheds and construction is underway on 55 of them.

Progress in Land Treatment

Basic plans have been developed on approximately 84 percent of the privately owned land on the Washita River watershed, and the Bureau of Indian Affairs has agreements for proper use and treatment of restricted Indian lands. Emphasis continues on providing basic farm plans for all land within a treated watershed. Good progress has been made in application of land treatment measures which will protect the watershed areas and reduce sediment yields. Approximately 66 percent of the land is considered "adequately protected". Watershed funds in the amount of over \$1,000,000 were used to cost-share in the treatment of critical area during fiscal year 1975.

Progress in Structural Measures

Construction of the following structural measures has been completed or under construction: 1,003 floodwater retarding structures; 19 multipurpose structures including municipal water, recreation, fish and wildlife; 72 grade stabilization structures; treatment of 14 critical areas; 44 drop inlets; 46.6 miles of channel improvement; 27 gully plugs; 18 miles floodwater diversion; seven recreation developments and one fish and wildlife development. Thirty-eight of the planned and constructed single-purpose structures are in Texas. The estimated cost of planned measures is \$94,292,034 of which \$11,946,666 is local and \$82,345,368 is federal.

Easement Progress

Land easements for the remaining sites on the Washita are secured or State revolving funds are available to clear the sites. The problem of relocating pipelines, power lines, and telephone lines is the major problem. Revolving funds are not available to clear utility easements and most sponsors are no longer able to get cooperation from oil and utilities companies to move or treat their lines without full cost.

Flood Damage Reduction

During the spring of 1975, storms of 5-11 inches of rainfall occurred on many of the subwatersheds of the Washita River where construction is now complete or nearly complete. In all cases there was little to no flooding reported and all structures functioned as planned. There was no flooding of the Washita main stem during the fiscal year.

Municipal Water Supply

Multipurpose structures in the Washita River project are furnishing the water supply to urban and rural communities with combined population of 80,000 people. Due to high rainfall (17 inches plus) in June, all multipurpose structures flowed through principal spillways. The multipurpose structure for the city of Maysville (municipal, recreation, and flood prevention) was opened for fishing this spring.

WATERSHED PROTECTION AND FLOOD PREVENTION (Public Law 566)

WATERSHED NUMBER	NAME	DRAINAGE AREA (ACRES)
1	Little Washita Creek	122,441
2	Big River Creek	172,233
3	Sandy Creek	147,243
4	Lone Branch	28,160
5	Blue Fork-Cum Creek	130,960
6	Cum Creek	30,541
7	Little Deep Fork Creek	163,488
8	Salt Creek	112,000
9	Pyrite Creek	180,000
10	Big Creek	61,820
11	Cum Creek	122,000
12	Timber Creek	41,700
13	1st Fork (Hemlock)	4,870
14	Fountain Creek	111,340
15	Holston-Buchanan Conservancy District	177,792
16	Brick Creek	172,100
17	Cum Creek	46,136
18	Black Fork Creek (Ark.)	133,614
19	Jackson Fork Creek (Ark.)	136,911
20	Continued Creek (Ark.)	116,272
21	Poston Creek (Ark.)	16,400
22	Upper Black Bear Creek	241,346
23	Lower Black Bear Creek	187,863
24	Whitewater-Washita Creek	29,511
25	Cum Creek	198,170
26	Washita-Cum Creek (Hemlock)	41,110
27	Upper Clear Fork Creek	162,340
28	Lower-Holston Clear Fork Creek	107,966
29	Continued Creek	242,470
30	Delaware Creek	30,016
31	Lower Clear Fork Creek	240,301
32	Cum Creek	17,997
33	Cum Creek	101,111
34	Turkey Creek	229,000
35	Norman Creek	41,600
36	Upper Red Rock Creek	197,316
37	Lower Red Rock Creek	116,582
38	Upper Shuler Creek	247,800
39	Lower Shuler Creek	154,200
40	Upper Blue River	261,200
41	Lower Blue River	246,013
42	Salmon Creek	163,280
43	Upper Meru Creek	319,680
44	Salmon Creek	173,216
45	Salt Creek	112,000
46	Cum Creek	23,571
47	Squirrel Creek	16,128
48	Quinn Creek	100,186
49	Upper Muddy Buggy Creek	198,000
50	Old Kansas County Tributaries	201,271
51	Buffalo Creek	49,900
52	Timber Creek	198,400
53	Timber Creek	131,300
54	Duck and Snake Creeks	111,340
55	Quinn Creek	14,490
56	Kingfisher Creek	215,000
57	Black Fork Creek	67,970
58	Upper Blue Creek	246,790
59	Lower Blue Creek	244,250
60	Hemlock Creek	248,636
61	Cum Creek Bottom	12,511
62	Middle Muddy Buggy Creek	149,000
63	Four Mile Creek	11,340
64	Cum Creek	21,321
65	Brandy Pringle Creek	217,966
66	Old Creek	177,920
67	Upper E.A. Creek	258,000
68	Fitzgerald-Soldier Creeks	18,100
69	George Fork Creek	11,900
70	Frederick Creek	6,171
71	Upper Little River	77,500
72	Upper Big Cabin	143,144
73	Lower Big Cabin	146,944
74	Robinson Creek	40,370
75	Sand-Holston Creek	242,840
76	Lower Cum Creek	112,940
77	Whiskey Creek	41,240
78	Cum Creek	83,900
79	Square Creek	7,940
80	Lark Creek	41,184
81	Palm Creek	11,919
82	San Jose Creek	20,140
83	General Little River	220,144
84	Lower-Turkey Creek (Texas)	117,911
85	Indian Bottom	6,000
86	Walnut Branch	42,130
87	San Jose Creek	167,500
88	Lark Creek	44,418
89	Fort Smith-Turkey Creek	34,540
90	McKenney-Buchanan Creek	13,865
91	Red Hen Creek	21,340
92	Big Cum Creek (Hemlock)	278,000
93	Lower Bayou	91,448
94	Big Bayou Creek	177,000
95	Lower Bayou Creek	124,900
96	Little Bayou Creek	126,800
97	Holston Creek	16,000
98	Turkey Buggy Creek	37,900
99	San Jose Creek	200,000
100	Lambert Creek	6,000
101	Pringle Creek	41,900
102	Coal Creek	132,000
103	Alwood-Gabon Tributaries	72,000
104	Cum-Holston (Ark.)	22,500
105	Cum-Holston Canyon	211,000
106	Derry Creek	11,000
107	Hayle Creek	36,144
108	Cum Creek	41,270
109	Sand Creek	31,000
110	Lark Creek	10,040
111	San Jose Creek	80,000
112	Deep Red Run & Calf Creek	58,600

FLOOD PREVENTION WATERSHEDS Washita River

WATERSHED NUMBER	NAME	DRAINAGE AREA (ACRES)
1	Upper Washita River	471,730
2	Broken Leg Creek	19,321
3	Sagehen Creek	16,844
4	Drift Valley-Washita Creek	86,647
5	Sandstone Creek	63,013
6	Blaine Dam Creek	77,820
7	Blue River Creek	54,311
8	Big Spring Creek	25,922
9	Quinn Creek	133,777
10	Upper Spring Creek	17,384
11	Patton Creek	47,216
12	Snyder Creek	44,148
13	Turkey Creek	47,320
14	Butler Creek	47,114
15	Burns Creek	116,814
16	Rever Creek	36,605
17	Rever Creek	33,605
18	South Clinton Lateral	59,817
19	Cum Creek	76,041
20	Cum Creek	69,952
21	Cum Creek	71,828
22	Old Creek	46,384
23	Rainy Mountain Creek	209,516
24	Snyder Mountain Creek	724,200
25	Cum Creek	61,884
26	Cum Creek	214,096
27	Fair Creek Lateral	71,230
28	Sage Creek	189,016
29	Timber & Delaware Creeks	150,600
30	Little Washita River	50,516
31	Spring Creek	11,492
32	Lower Creek	54,521
33	Sage Creek	63,265
34	Blaine Creek	72,243
35	Washita Creek	67,722
36	Rever Creek	67,993
37	Rever Creek	46,702
38	Rever Creek	19,812
39	Cum Creek	59,837
40	Cum Creek	59,636
41	Washita Creek	20,374
42	Old Creek	16,545
43	Mayville Creek Lateral	44,234
44	Rush Creek	191,517
45	Washita Creek	201,149
46	Cum Creek	429,941
47	Washita Creek	201,149
48	Washita Creek	17,884
49	Washita Creek	34,645
50	Washita Creek	40,291
51	Washita Creek	41,602
52	Washita Creek	29,149
53	Washita Creek	24,649
54	Washita Creek	109,041
55	Washita Creek	40,142
56	Washita Creek	36,044
57	Washita Creek	71,739
58	Washita Creek	82,605
59	Washita Creek	40,116
60	Washita Creek	47,731
61	Washita Creek	31,031
62	Washita Creek	16,092

RESOURCE CONSERVATION AND DEVELOPMENT HYDROLOGIC UNITS CHEROKEE HILLS RCD PROJECT OUACHITA MOUNTAINS RCD PROJECT

NAME	DRAINAGE AREA (ACRES)	NUMBER	NAME	DRAINAGE AREA (ACRES)	NUMBER	NAME	DRAINAGE AREA (ACRES)
Dundee Creek	10,250	CH-1	Whitewater Creek	19,738	OU-1	Binding Springs	5,180
		CH-2	Fourteen Mile	12,584			
		CH-3	Tyner Branch	4,640			
		CH-4	Scuppernon	5,316			
		CH-5	Engelhard Hollow	4,960			

STATUS OF PROJECTS

OTHER WATER RESOURCES PROJECTS

EXISTING OR UNDER CONSTRUCTION

AUTHORIZED

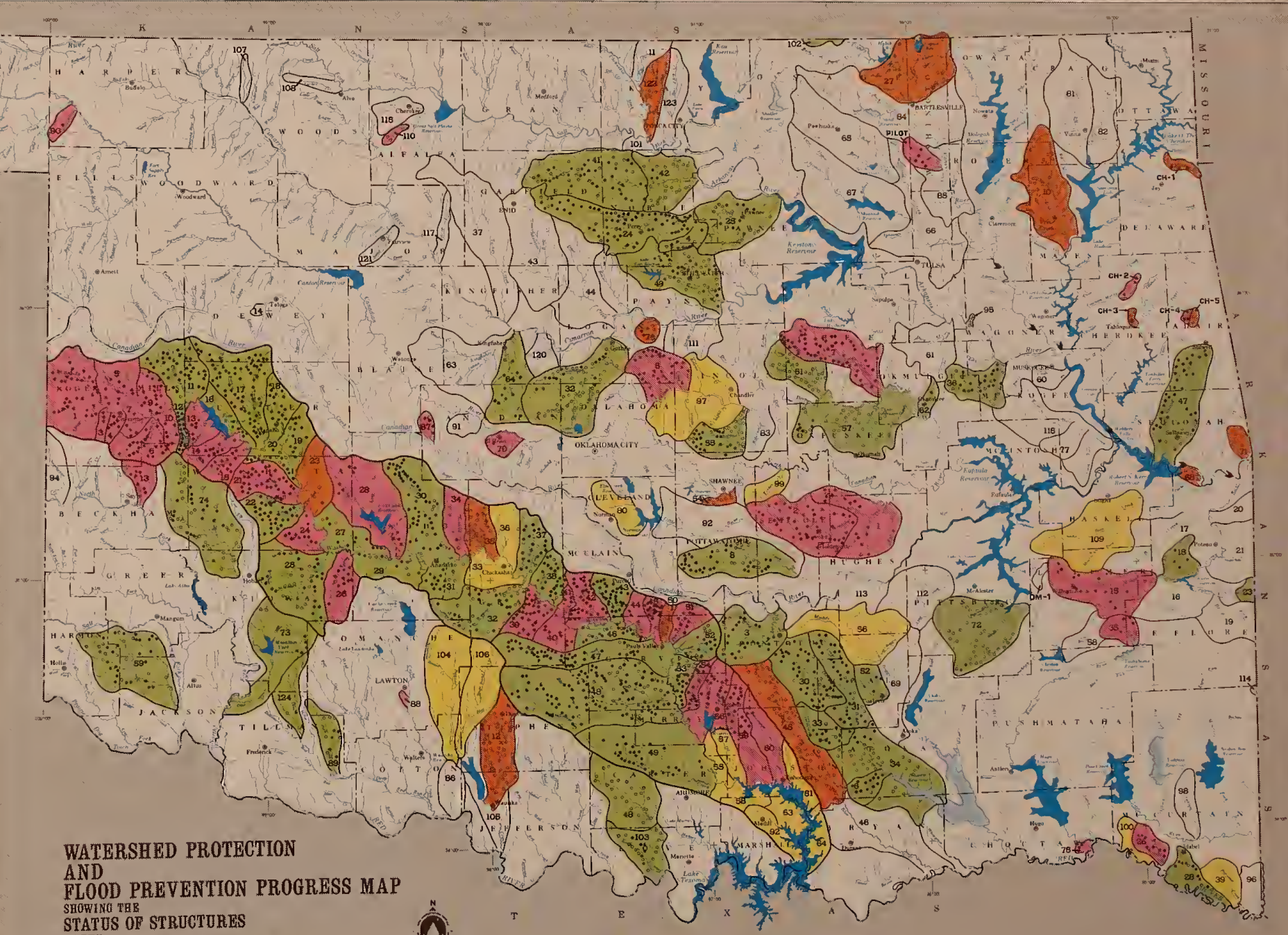
AUTHORIZED NAVIGATION ECR AND DAM

STRUCTURE PLANNED

STRUCTURES COMPLETED OR CONTRACTED

INDICATES NUMBER OF SITES ONLY. NOT EXACT LOCATION

DRAINAGE DITCH LOCATIONS (DRAINAGE PROJECT ONLY - NO. 42)



WATERSHED PROTECTION AND FLOOD PREVENTION PROGRESS MAP SHOWING THE STATUS OF STRUCTURES OF THE STATE OF OKLAHOMA

